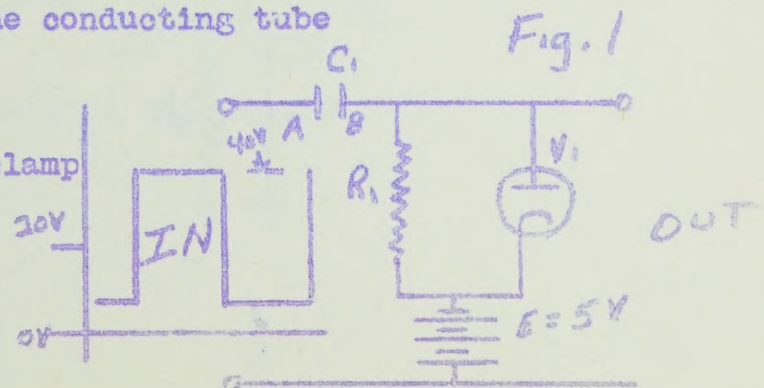


QUIZ No. 4

1. The Eccles-Jordan multivibrator requires:
 - a. A neg pulse to complete a cycle
 - b. A pos pulse to complete a cycle
 - ☒ c. Two pulse to complete a cycle
 - d. No pulses as it is free running
2. The most desirable waveform for synchronizing a multivibrator is a:
 - a. Sine wave
 - b. Pulse with a sharp trailing edge
 - ☒ c. Pulse with a sharp leading edge
 - d. Triangular pulse
3. The main advantage in using the waveform given in question 2 is:
 - a. It is easy to generate
 - b. Timing changes as pulse amplitude changes
 - ☒ c. Timing does not change as pulse amplitude changes
 - d. The leading edge of the waveform is unimportant
4. In the one-shot multivibrator, the maximum plate current of the normally conducting tube is:
 - a. Equal to the maximum plate current of the other tube
 - ☒ b. Greater than the max plate current of the other tube
 - c. Less than the max plate current of the other tube
 - d. None of the above is correct
5. Multivibrator circuits which are to be synchronized require that the sync pulse be:
 - a. Introduced into the cut-off tube
 - b. Introduced into the conducting tube
 - ☒ c. Negative, if coupled into the conducting tube
 - d. Both b and c are correct

6. The circuit of Fig. 1 will clamp a wave:

- a. Positive to a negative 5 v
- b. Positive to a positive 5 v
- ☒ c. Negative to a negative 5 v
- d. Negative to a positive 5 v



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QUIZ No. 4 (cont)

7. The capacitor in Fig. 1 will maintain a charge of about:
 - a. 35v, A positive and B negative
 - ☒ b. 45v, A positive and B negative
 - c. 15v, A positive and B negative
 - d. 35v, A negative and B positive

8. In Fig. 2, the approximate frequency of operation is determined by:
 - a. R1 and R2
 - b. R3 and R4
 - c. C1 and C2
 - ☒ d. R1, C1 & R2, C2

9. In fig. 2, the components in the discharge path of C1 are:
 - a. R2, C2 & V1
 - b. R1, R4, B+, & the grid ckt of V1
 - ☒ c. R1 & V2
 - d. V1, R3 & R4

10. In fig. 2, the charge path of C2 includes:
 - ☒ a. R2, grid ckt of V2, R3 & B+
 - b. R2, & V1
 - c. R4, R3, V1 & C1
 - d. V1, V2, R4 & B+

